IN THE CLAIMS

Claims 1-13 are pending in this application, wherein claims 10-13 are hereby withdrawn without prejudice or disclaimer, as follows:

- 1. (Original) A process for producing a poly(arylene sulfide) by polymerizing a sulfur source and a dihalo-aromatic compound in the presence of an alkali metal hydroxide in an organic amide solvent, which comprises washing a polymer obtained by the polymerization with a hydrophilic organic solvent containing water in a proportion of 1 to 30% by weight, thereby collecting a purified polymer, the content of nitrogen contained in an extract extracted by a mixed solvent containing 40% by weight of acetonitrile and 60% by weight of water from the purified polymer is at most 50 ppm on the basis of the weight of the polymer.
- 2. (Original) The production process according to claim 1, wherein the washing with the hydrophilic organic solvent containing water is repeated at least twice.
- 3. (Original) The production process according to claim 1, wherein the hydrophilic organic solvent is a ketone, nitrile, organic amide, alcohol or a mixture of at least two solvents thereof.
- 4. (Original) The production process according to claim 1, wherein the hydrophilic organic solvent containing water is acetone containing water in a proportion of 1 to 20% by weight.
- 5. (Original) The production process according to claim 1, wherein the hydrophilic organic solvent containing water is acetone containing water in a proportion of not lower than 2% by weight, but lower than 20% by weight.
- 6. (Original) The production process according to claim 1, wherein a purified polymer, the content of nitrogen contained in the extract extracted by the mixed solvent containing 40% by weight of acetonitrile and 60% by weight of water from the purified polymer is at most 25 ppm on the basis of the weight of the polymer, is collected.

- 7. (Original) The production process according to claim 1, wherein a purified polymer, the content of a low-molecular weight component extracted by Soxhlet extraction with chloroform from the purified polymer is at most 3.0% by weight, is collected.
- 8. (Original) The production process according to claim 1, wherein a purified polymer having a melt viscosity of 1 to 3,000 Pa·s as measured at a temperature of 310°C and a shear rate of 1,216 sec⁻¹ is collected.
- 9. (Original) The production process according to claim 1, wherein the production process of the poly(arylene sulfide) by polymerizing the sulfur source and the dihalo-aromatic compound in the presence of the alkali metal hydroxide in the organic amide solvent comprises the respective steps of:
- (1) a dehydration step of heating and reacting a mixture containing an organic amide solvent, an alkali metal hydrosulfide and the alkali metal hydroxide in a proportion of 0.95 to 1.05 mol per mol of the alkali metal hydrosulfide to discharge at least a part of a distillate containing water from the interior of the system containing the mixture to the exterior of the system,
- (2) a charging step of adding an alkali metal hydroxide and water to the mixture remaining in the system after the dehydration step, as needed, in such a manner that 1.00 to 1.09 mol of the alkali metal hydroxide and 0.5 to 2.0 mol of water are present per mol of a sulfur source (hereinafter referred to as "charged sulfur source") including the alkali metal hydrosulfide, and
- (3) a first-stage polymerization step of adding the dihalo-aromatic compound to the mixture to subject the sulfur source and the dihalo-aromatic compound to a polymerization reaction at a temperature of 170 to 270°C in the organic amide solvent, thereby forming a prepolymer that a conversion of the dihalo-aromatic compound is 50 to 98%, and
- (4) a second-stage polymerization step of controlling the amount of water in the reaction system after the first-stage polymerization step so as to bring about a state that water exists in a proportion of 2.0 to 10 mol per mol of the charged sulfur source, and heating the reaction system at 245 to 290°C, thereby continuing the polymerization reaction.

- 10. (Withdrawn) A poly(arylene sulfide) obtained by polymerizing a sulfur source and a dihalo-aromatic compound in the presence of an alkali metal hydroxide in an organic amide solvent, wherein the content of nitrogen contained in an extract extracted by a mixed solvent containing 40% by weight of acetonitrile and 60% by weight of water from the polymer is at most 50 ppm on the basis of the weight of the polymer.
- 11. (Withdrawn) The poly(arylene sulfide) according to claim 10, wherein the content of nitrogen contained in the extract extracted by the mixed solvent containing 40% by weight of acetonitrile and 60% by weight of water from the polymer is at most 25 ppm on the basis of the weight of the polymer.
- 12. (Withdrawn) The poly(arylene sulfide) according to claim 10, wherein the content of a low-molecular weight component extracted by Soxhlet extraction with chloroform from the polymer is at most 3.0% by weight.
- 13. (Withdrawn) The poly(arylene sulfide) according to claim 10, wherein the melt viscosity thereof is 1 to 3,000 Pa·s as measured at a temperature of 310°C and a shear rate of 1,216 sec⁻¹.